

FIG.1A

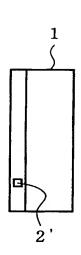


FIG.1C

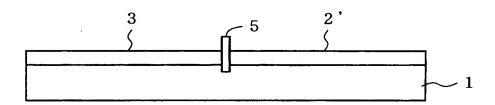
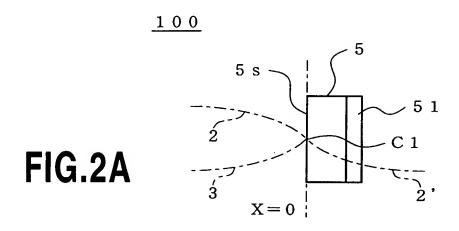
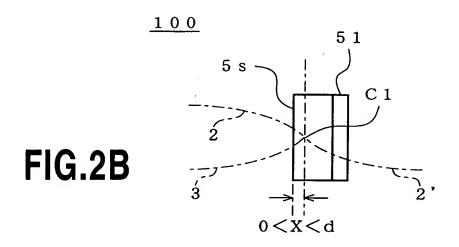
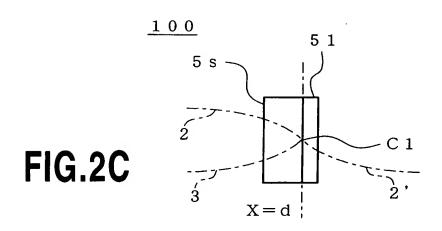


FIG.1B







100

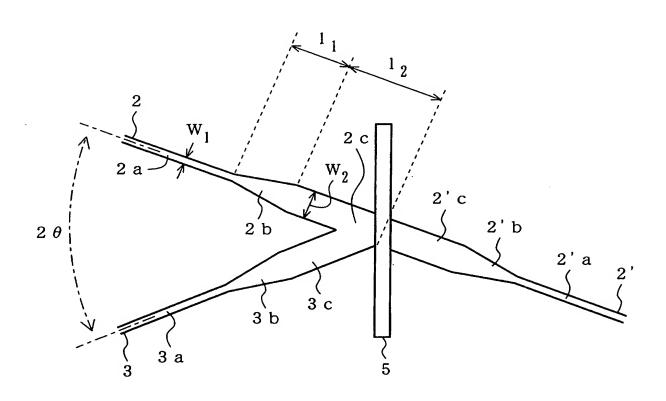
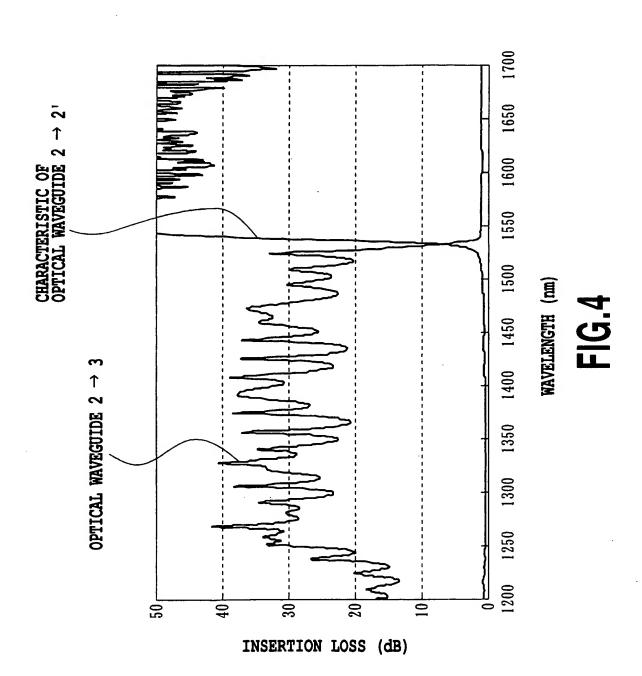
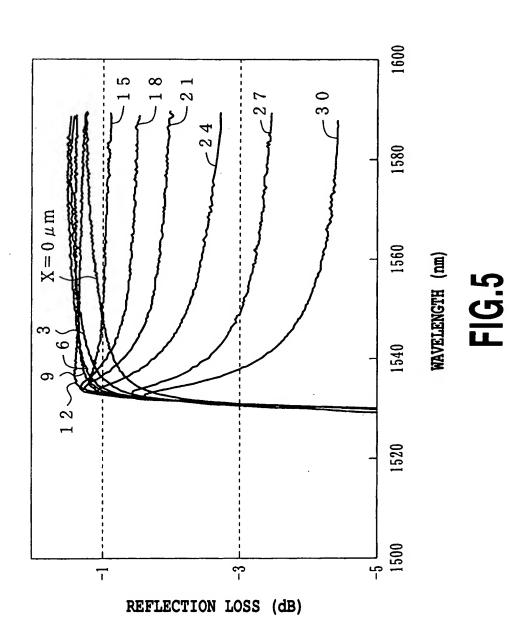


FIG.3





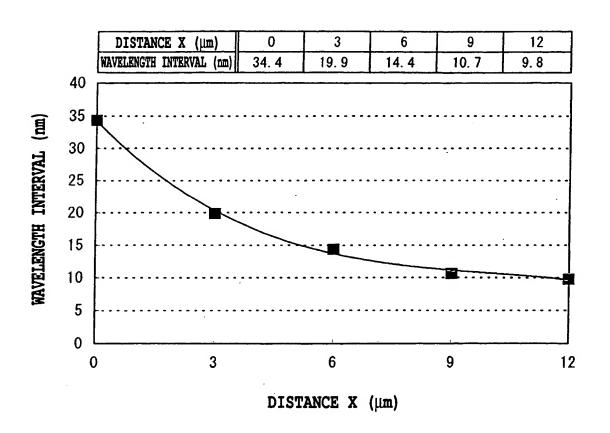
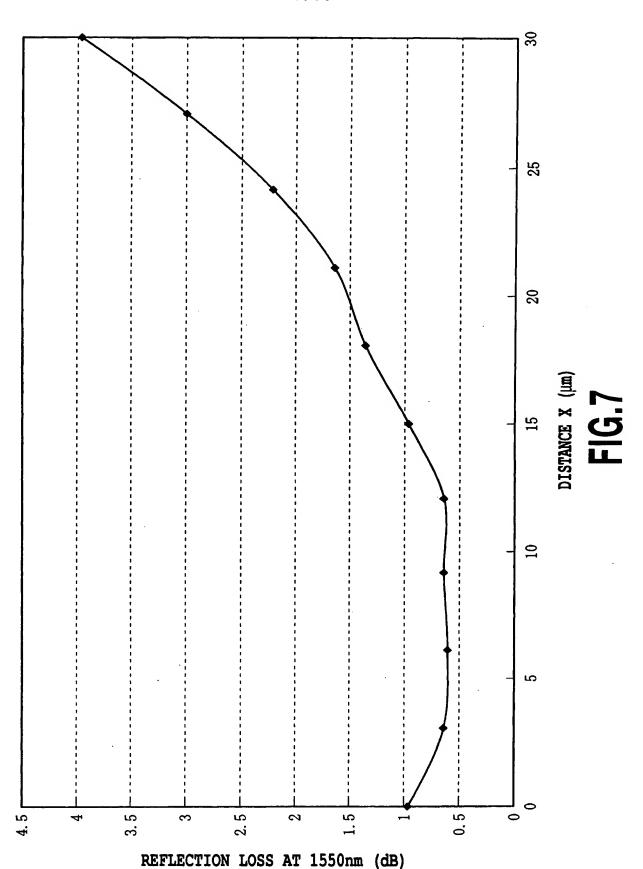


FIG.6



INTERSECTION ANGLE	8 DEGREES		10 DEGREES		12 DEGREES	
WAVEGUIDE WIDTH DISTANCE X	8 μm	2 0 μm	8 μ m	2 0 μm	8 μ m	20μm
0 μm	Δ	Δ	Δ	Δ.	Δ	Δ
3	0	0	0	0	0	0
6	0	0	0	0	0	0
9	0	0	0	0	0	0
1 2	0	0	0	0	0	0
1 5	Δ	Δ	Δ	Δ	Δ	Δ
1 8	×	×	×	×	×	×
2 1	×	×	×	×	×	×
2 4	×	×	×	×	×	×
2 7	×	×	×	×	×	×
3 0	×	×	×	×	×	×

: SUITABLE

× :UNSUITABLE

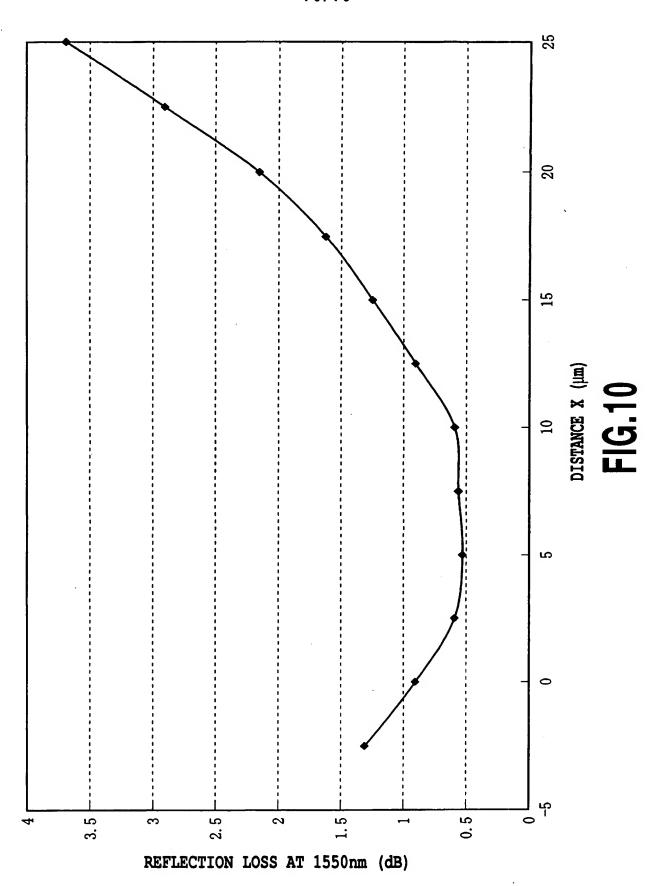
FIG.8

INTERSECTION ANGLE WAVEGUIDE WIDTH DISTANCE X	8 DEGREES		10 DEGREES		12 DEGREES	
	7 μ m	2 0 μm	7 μ m	2 0 μm	7 μm	2 0 μm
0 μm	Δ	Δ	Δ	Δ	Δ	Δ
4	0	0	0	0	0	0
8	0	0	0	0	0	0
1 2	0	0	0	0	0	0
1 6	0	0	0	0	0	0
2 0	Δ	Δ	Δ	Δ	Δ	Δ
2 4	×	×	×	×	×	×
2 8	×	×	×	×	×	×
3 2	×	×	×	×	×	×
3 6	×	×	×	×	×	×
4 0	×	×	×	×	×	×

:SUITABLE

× :UNSUITABLE

FIG.9



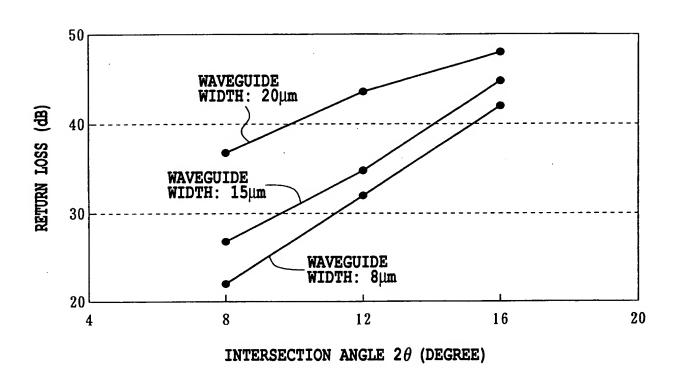


FIG.11

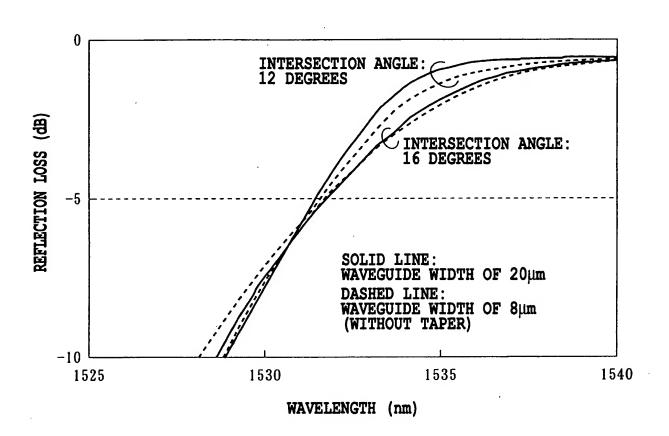


FIG.12

200

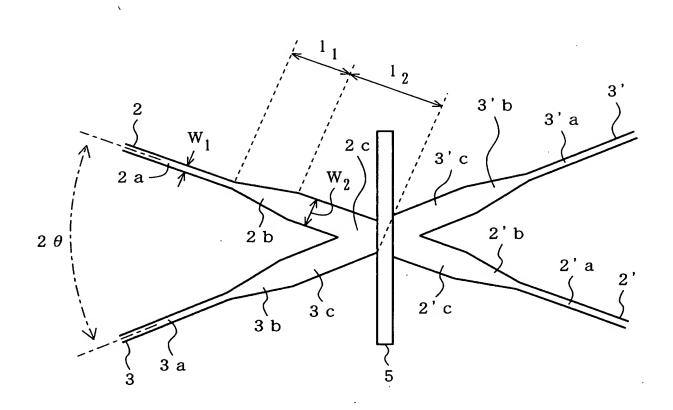


FIG.13

500

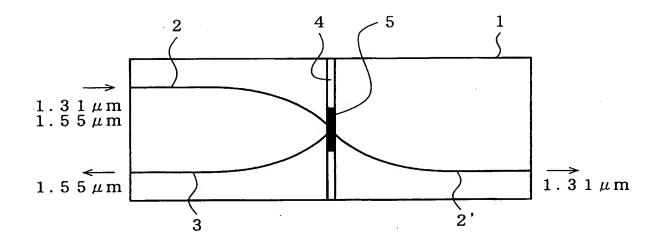


FIG.14

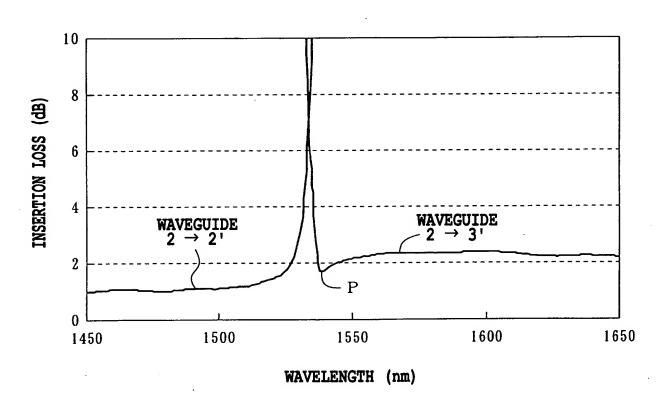


FIG.15